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(54) **APPARATUS AND PROCESS FOR INFUSION MONITORING**

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(57) **ABSTRACT**

A process for monitoring infusion into a patient includes hanging a fluid bag from a monitoring apparatus. The weight of the fluid bag is periodically measured, using an electronic weight sensing mechanism and a microprocessor, to detect either a no-fluid-flow condition, a near empty bag condition, or a preselected amount of fluid loss condition. A switch is depressed on the monitoring apparatus for selecting the monitoring of an amount of fluid to be infused totaling less than the fluid within the fluid infusion bag. Otherwise, the apparatus detects a near empty bag condition. An alarm is activated when either the no-fluid-flow condition, the near empty bag condition, or the preselected amount of fluid loss condition has been detected. The rate of fluid loss from the fluid bag can be calculated and displayed.

26 Claims, 9 Drawing Sheets